

FIG. 1

(Soluble Receptor)

TM

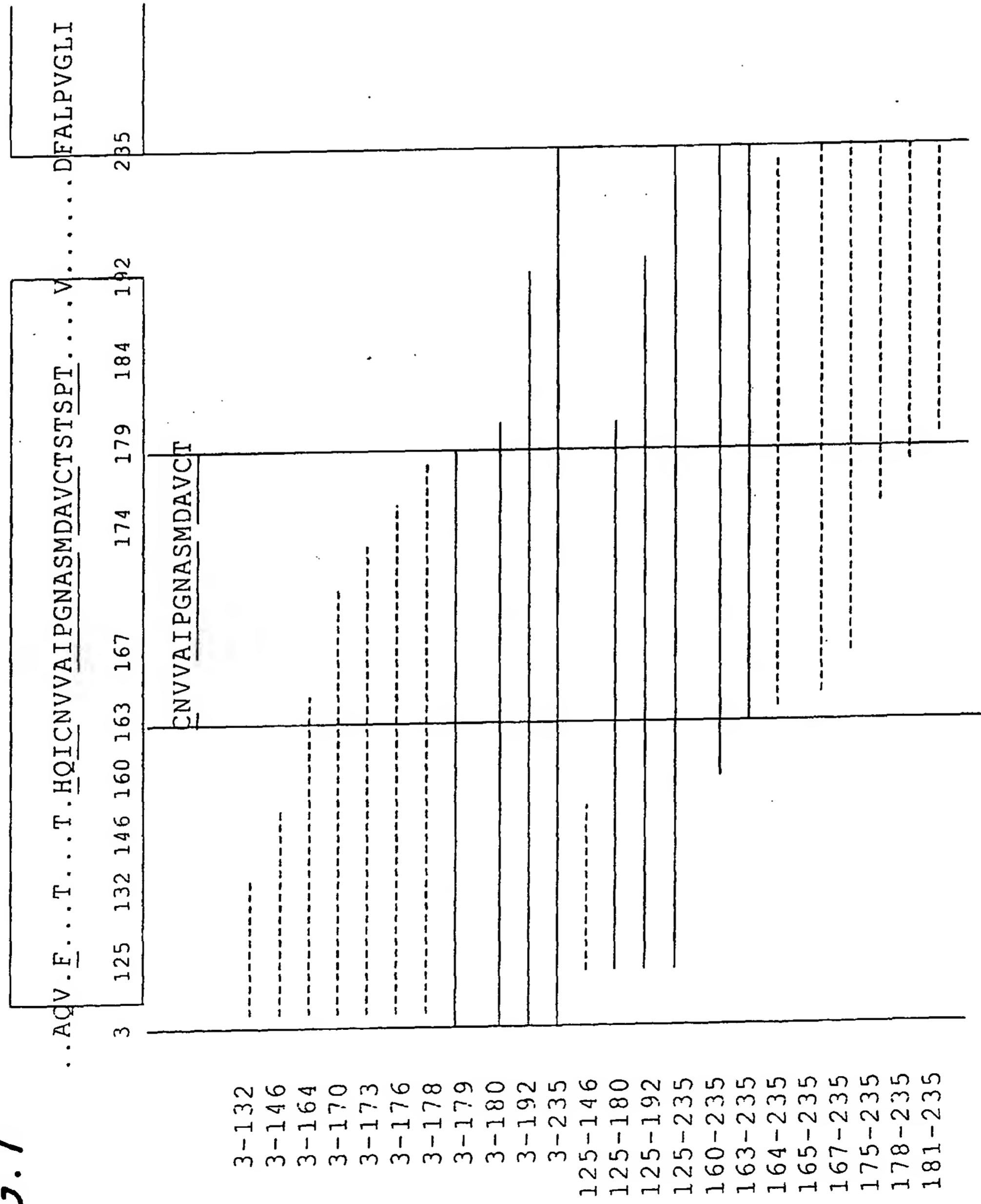


FIG. 2

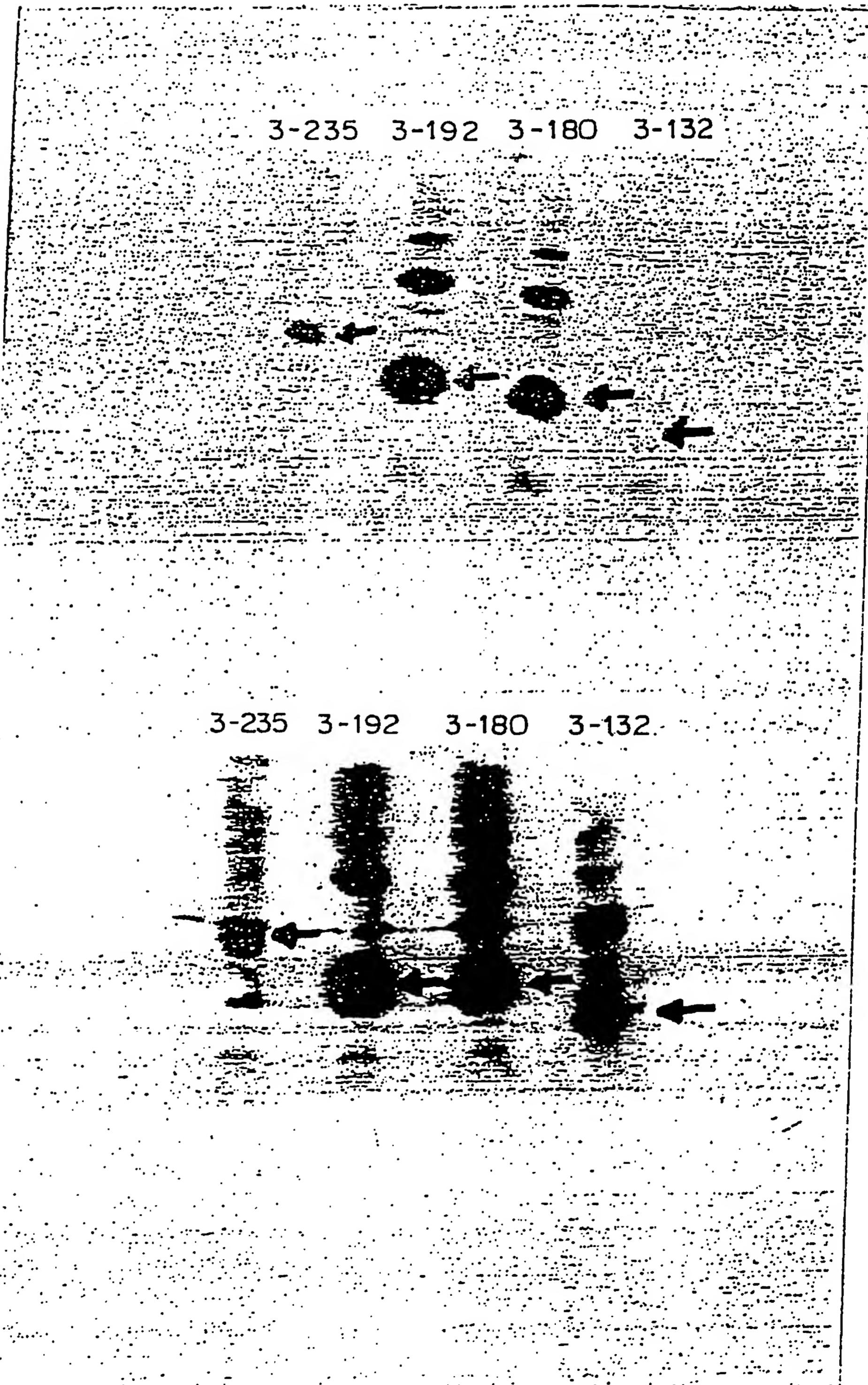


FIG. 3

INHIBITION OF #32 AND p75 INTERACTION BY
THE EPITOPE PEPTIDE

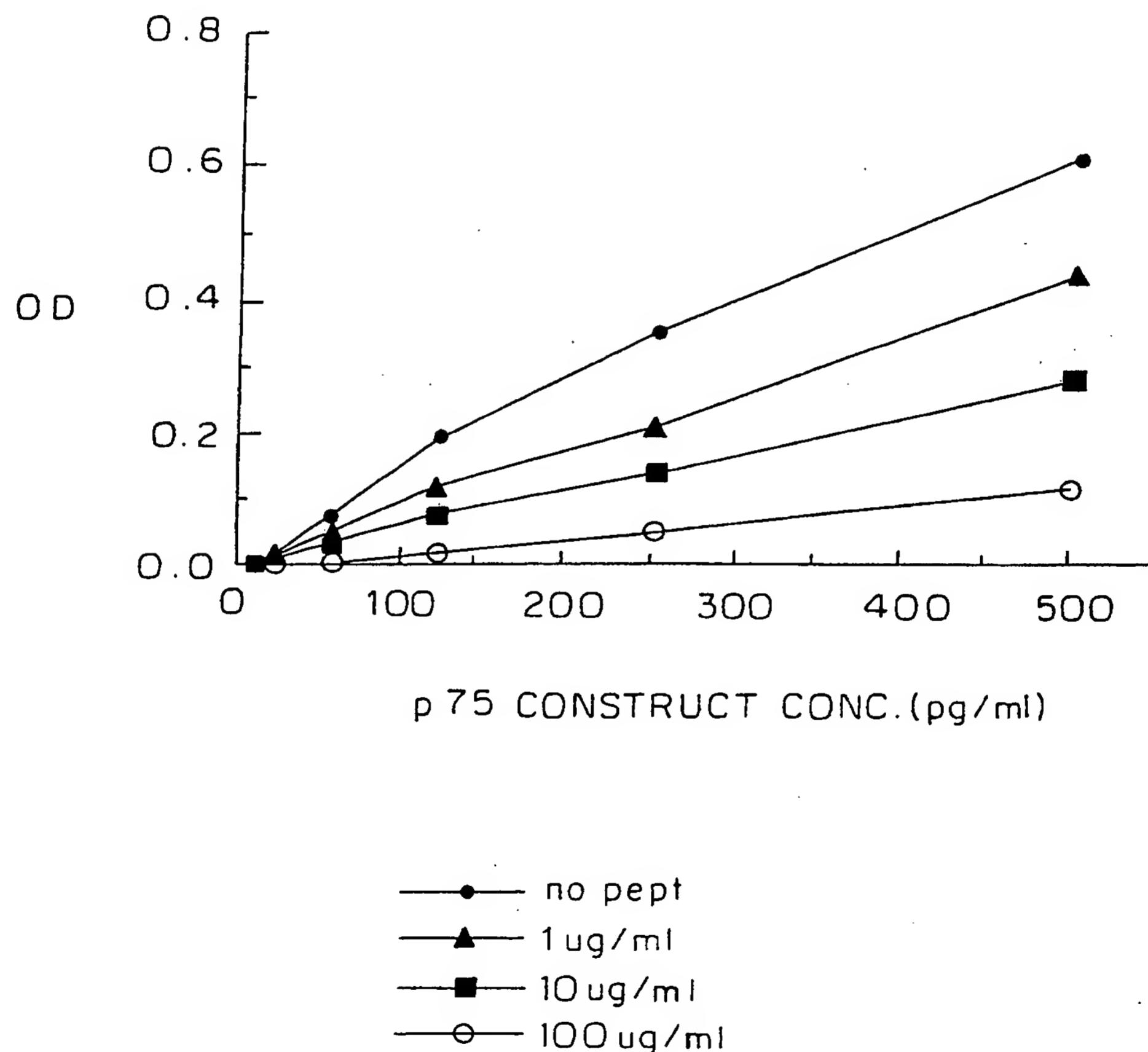


FIG. 4

PEPTIDE - MEDIATED INHIBITION

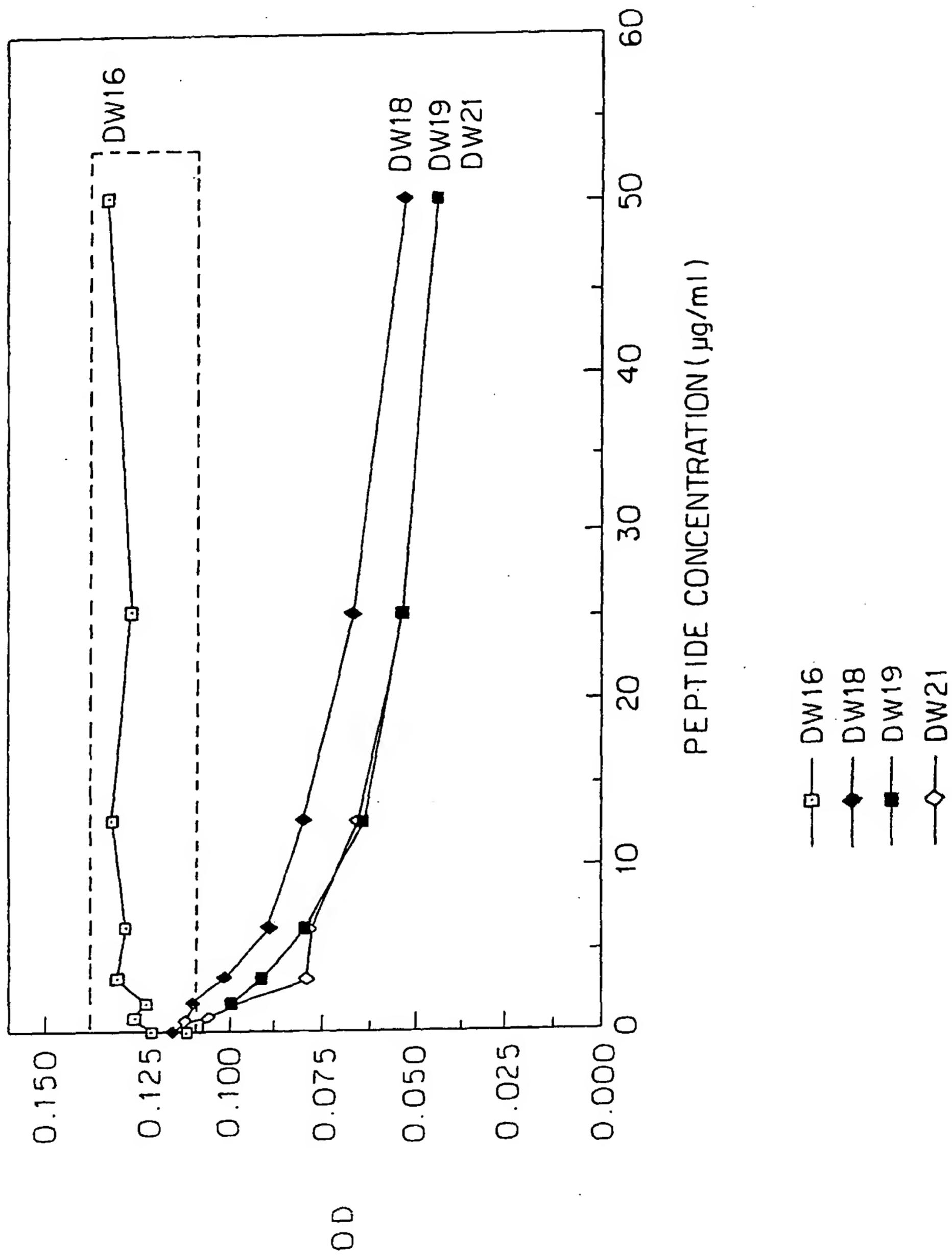


FIG. 5A

81 cccggcaccc atg gcg ccc gtc gcc tgg gtc gca ctg gag ctc tgg gct gcg
Met Ala Pro Val Ala Val Thr Ala Leu Glu Val Leu Glu Ala Ala

147. -22 9c9 cac gcc ttg ccc gcc cag gca ttt aca ccc tac ggc cgg
Ala His Ala Leu Pro Ala Phe Thr Pro Gly Ser Thr Cys Arg
213 +1

FIG. 5B

cag cca tgt tcc aca cga tcc caa cac acc cca act cca gaa ccc agg act gct cca agc acc
Gln Pro Val Ser Thr Arg Ser Gln His Thr Gln Pro Thr Pro Glu Pro Ser Thr Ala Pro Ser Thr
 807
 tcc ttc ctc cca atg ggc ccc agc cca gct gaa ggg agg act ggc gac **ttc gct ctt cca**
Ser Phe Leu Leu Pro Met Gly Pro Ser Pro Pro Ala Glu Gly Ser Thr Gly Asp Phe Ala Leu Pro
 873
TRANSMEMBRANE
 gtt gga ctg att tgt ggt gtc cta cta ata ata gga gtg gtc aac tgt gtc atc
Val Gly Leu Ile Val Gly Val Thr Ala Leu Gly Leu Ile Gly Val Val Asn Cys Val Ile
 939
DOMAIN
 atg acc cag tgt aaa aag aag ccc ttg tgc ctc cag aga gaa gcc aag gtg cct cac ttg cct gcc
Met Thr Gln Val Lys Lys Pro Leu Cys Leu Gln Arg Glu Ala Lys Val Pro His Leu Pro Ala
 1005
 252
 274
 gat aag gcc cgg ggt aca cag ggc ccc gag cag cac ctg ctg atc aca gcg ccg agc tcc agc
Asp Lys Ala Arg Gly Thr Gln Glu Pro Glu Gln His Leu Leu Ile - Thr Ala pro Ser Ser Ser
 1071
 296
 agc agc tcc ctg gag agg tcc gcc agt gcg ttc gac aga agg gcg ccc act cgg aac cag cca cag
Ser Ser Ser Leu Glu Ser Ser Ala Ser Ala Leu Asp Arg Arg Ala Pro Thr Arg Asn Gln pro Gln
 1137
 gca cca ggc tgt gag gcc agt ggg gcc gcg gag gac ser ser Thr Gly Ser Ser Pro Gly His Gly Thr Gln
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 agt ggc cat ggg acc cag gtc aat gtc acc tcc atc gtc aac gtc tgt agc agc tcc tcc
Ala Pro Gly Val Glu Ala Ser Val Asn Val Thr Cys Ile Val Asn Val Cys Ser Ser Asp His
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FIG. 5C

FIG. 6

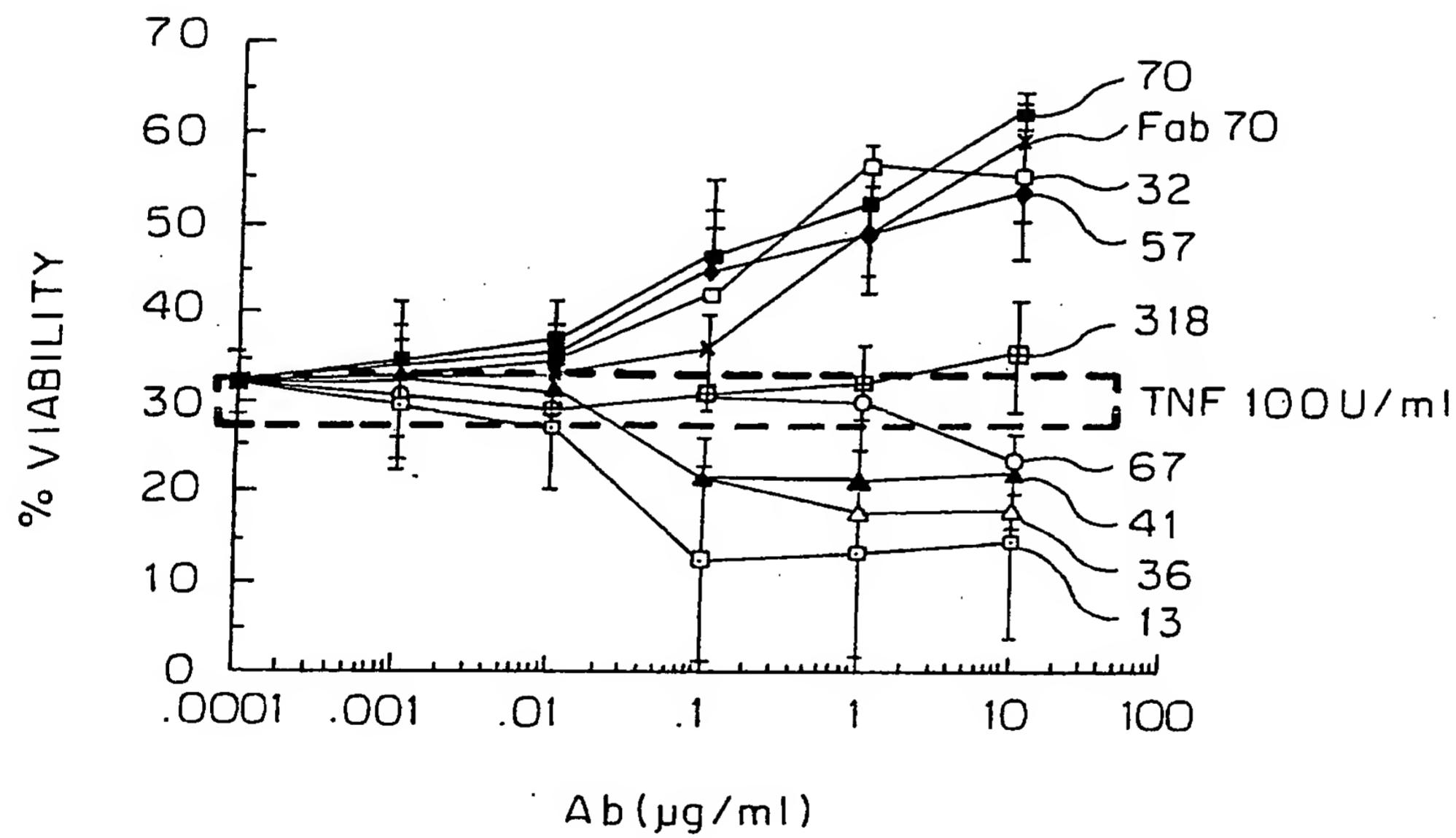


FIG. 7

U937 - PROTECTION

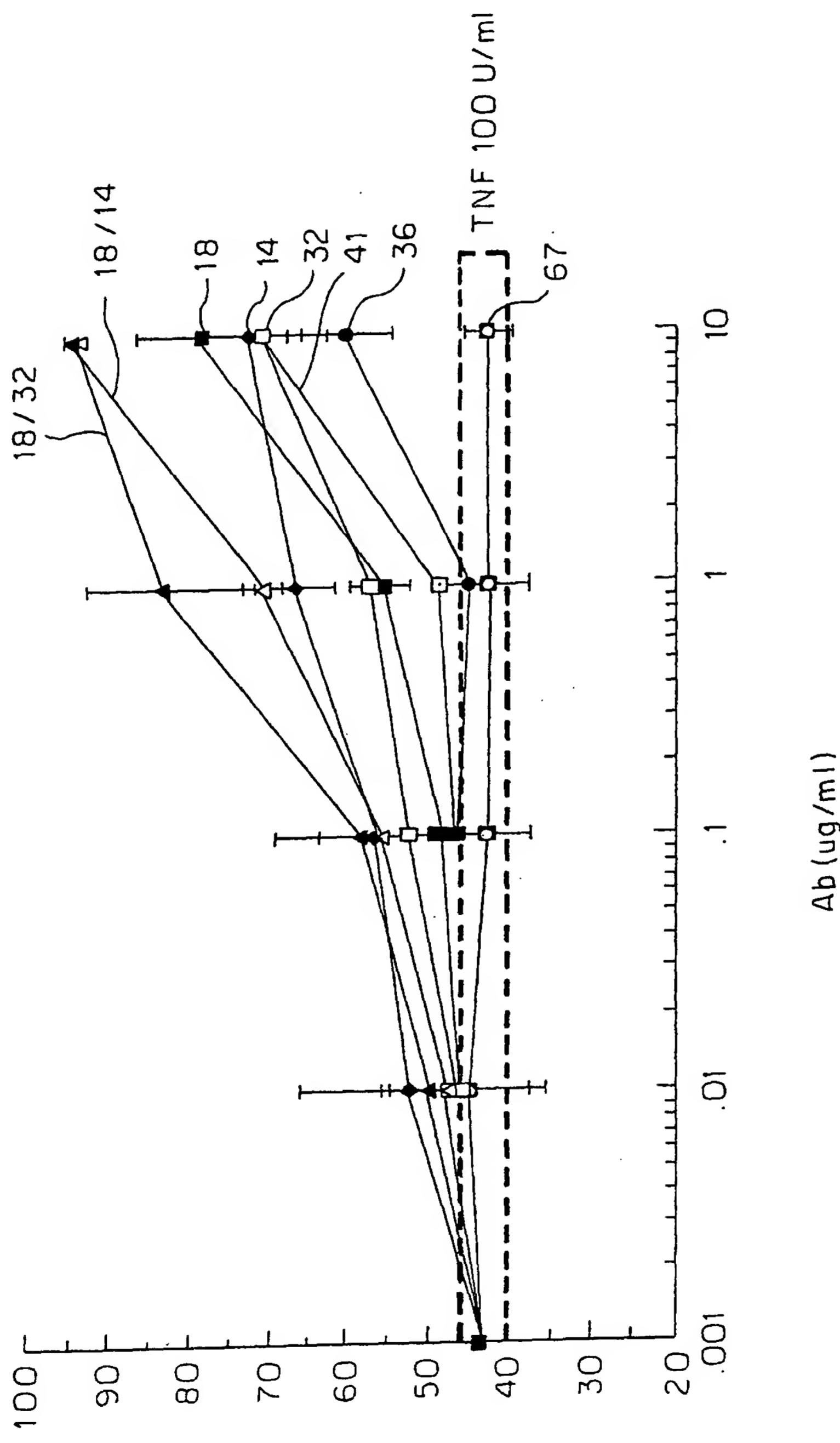


FIG. 8A

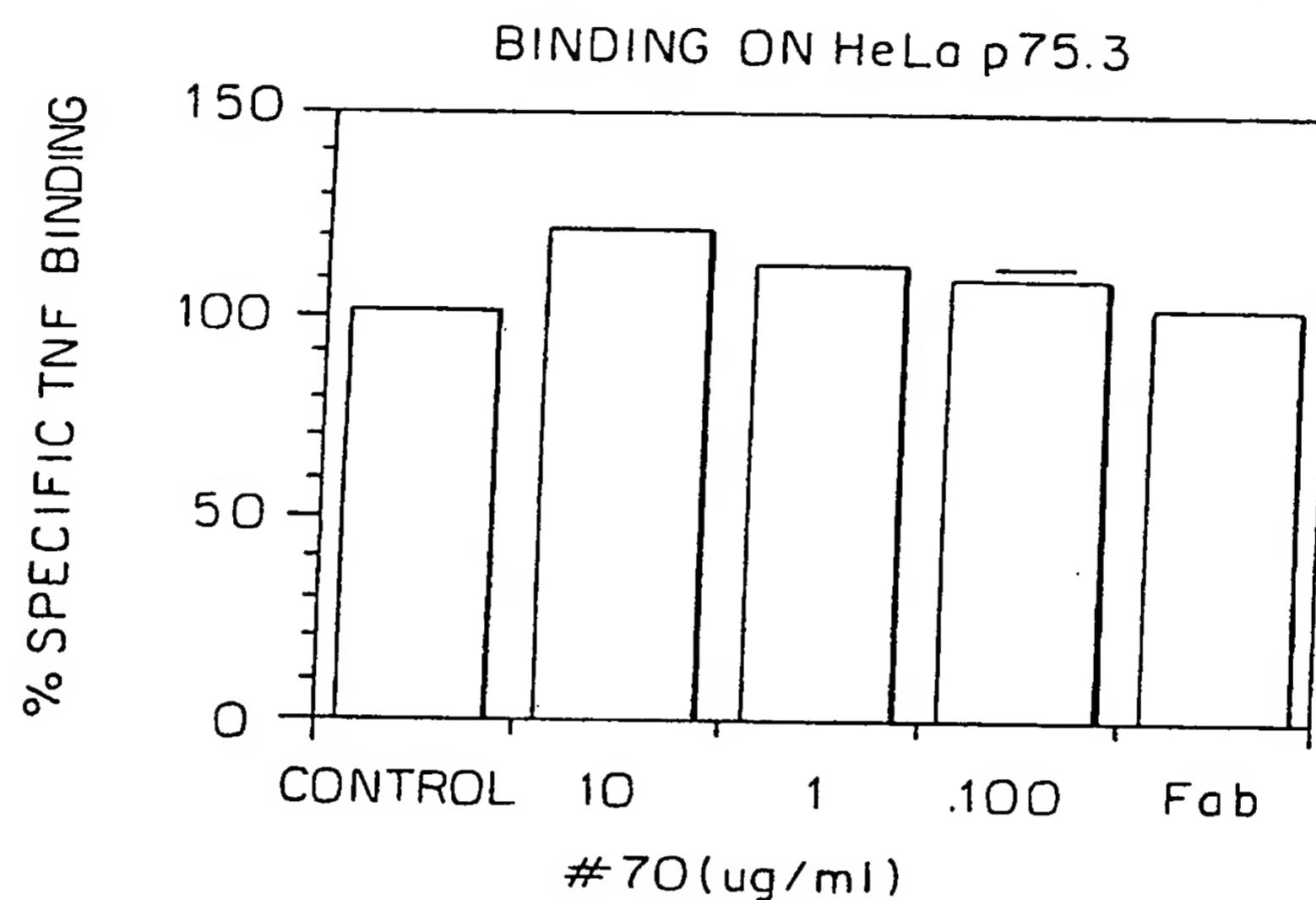


FIG. 8B

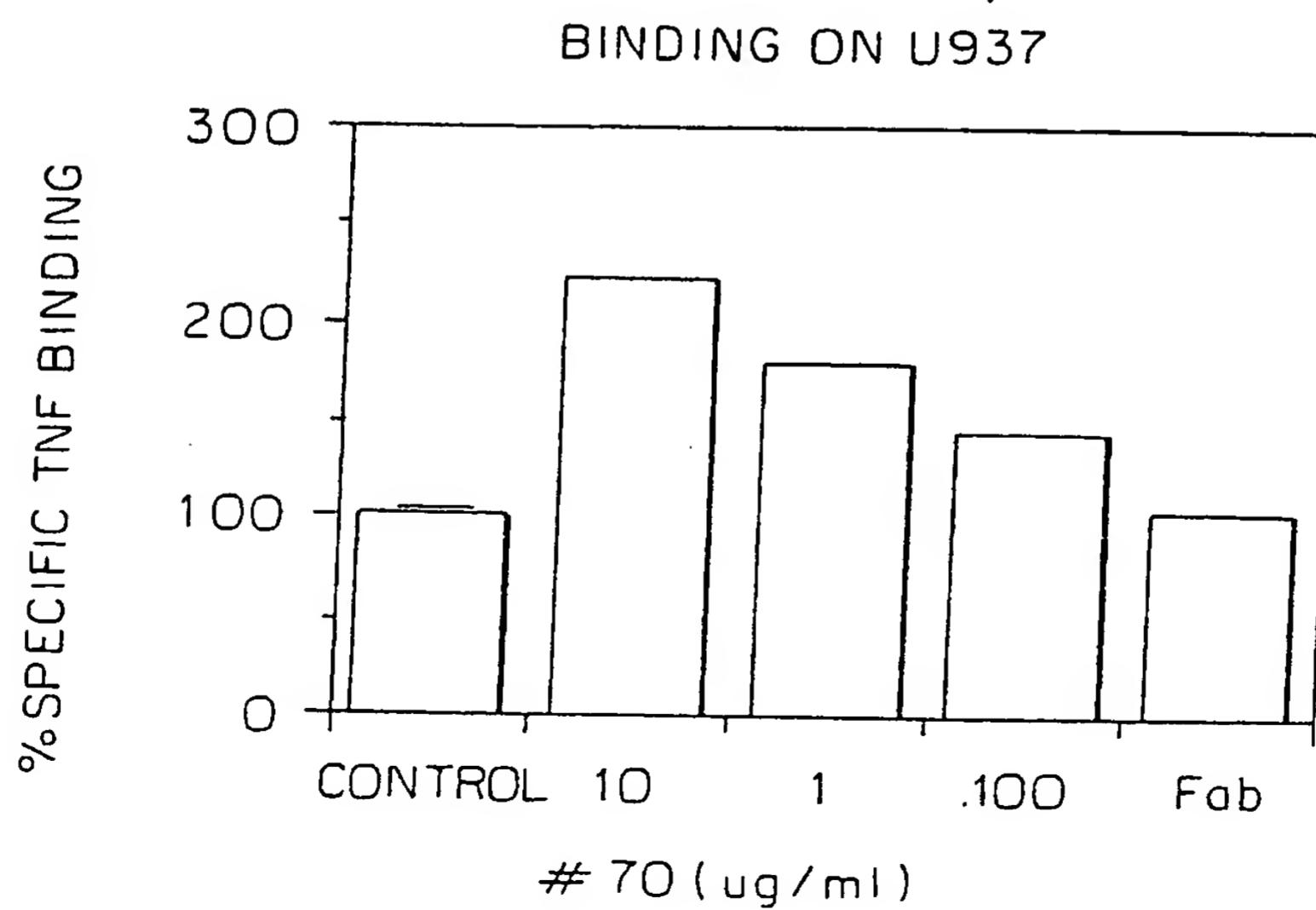


FIG. 9A

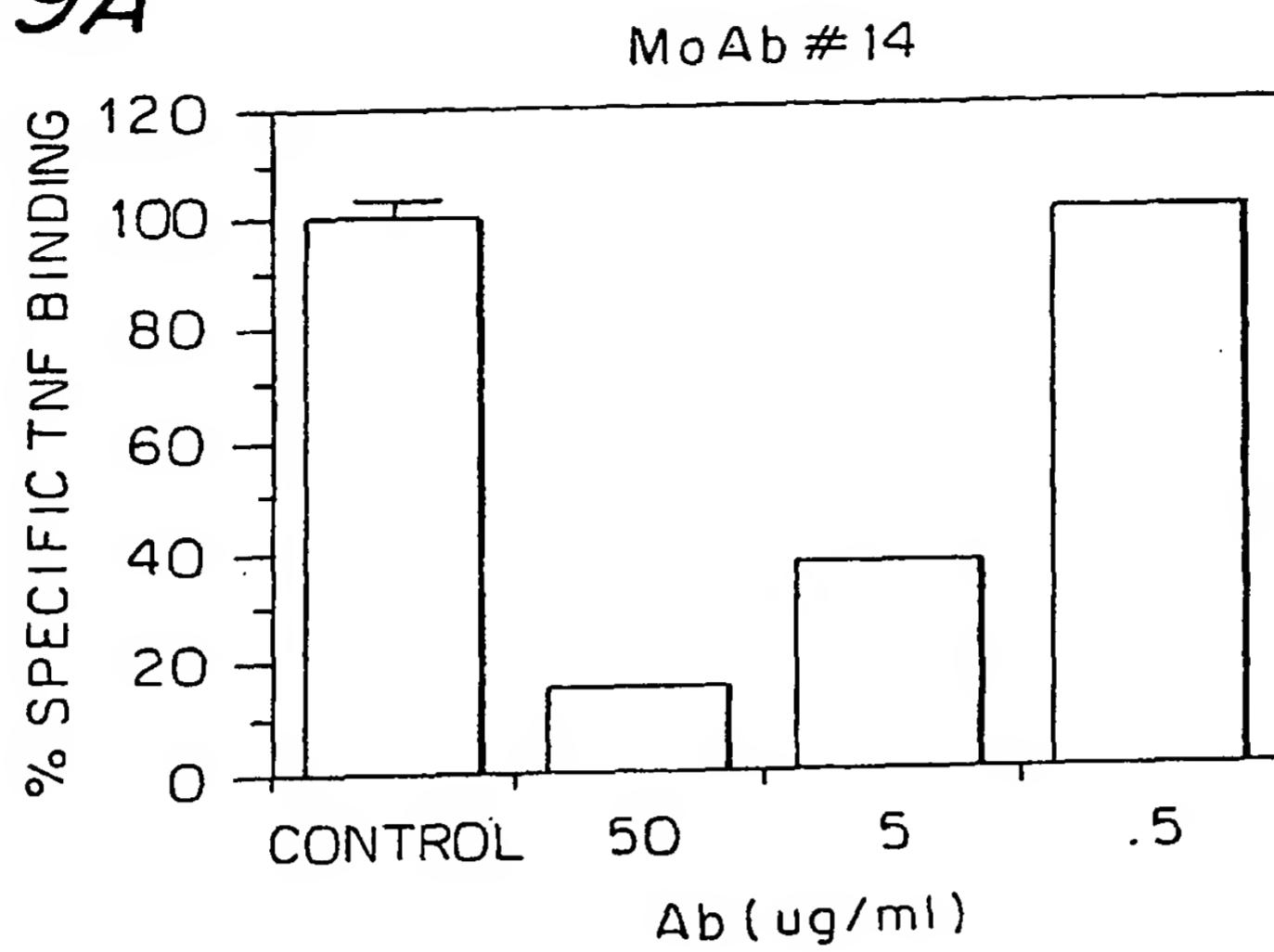


FIG. 9B

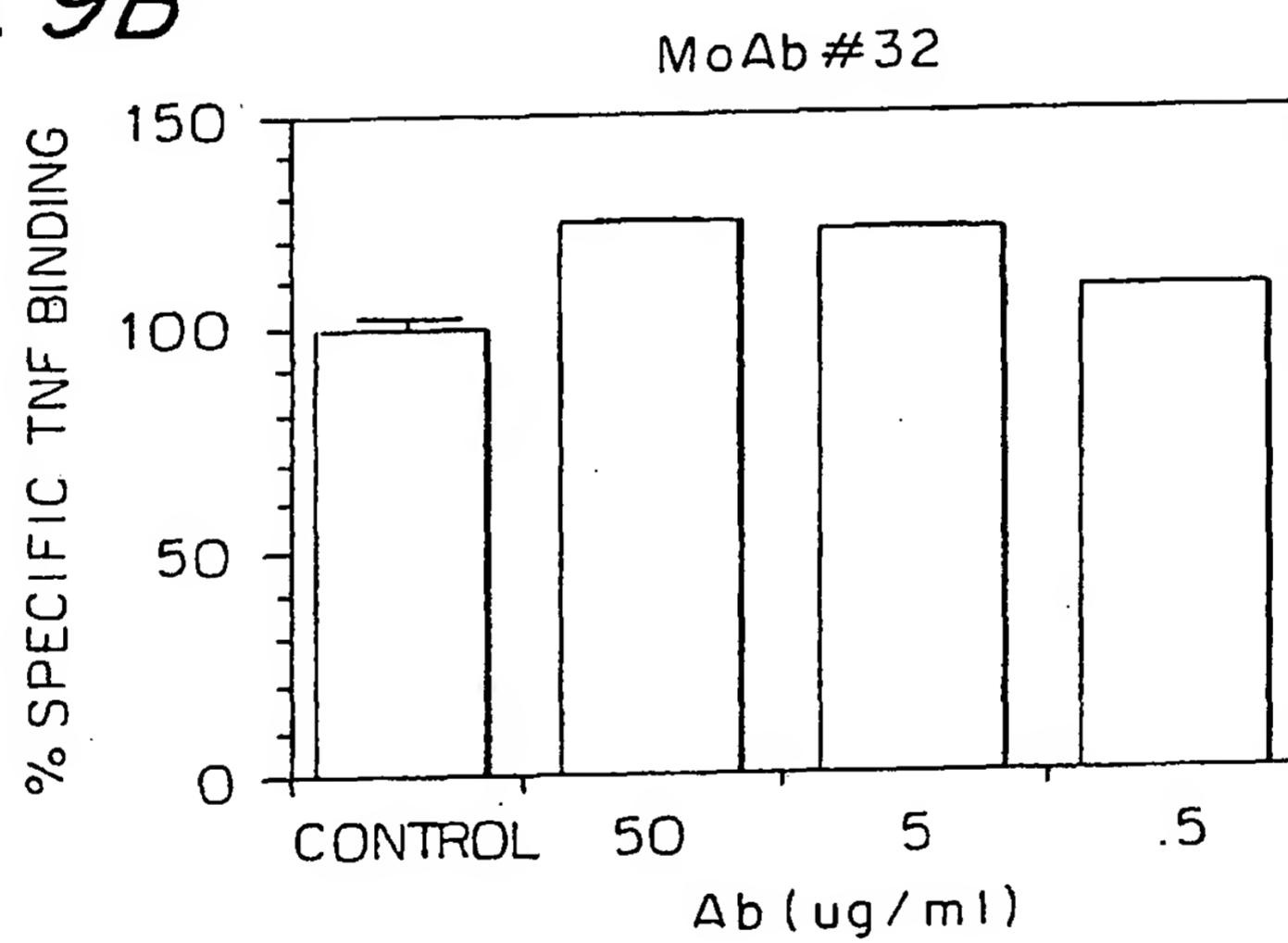


FIG. 9C

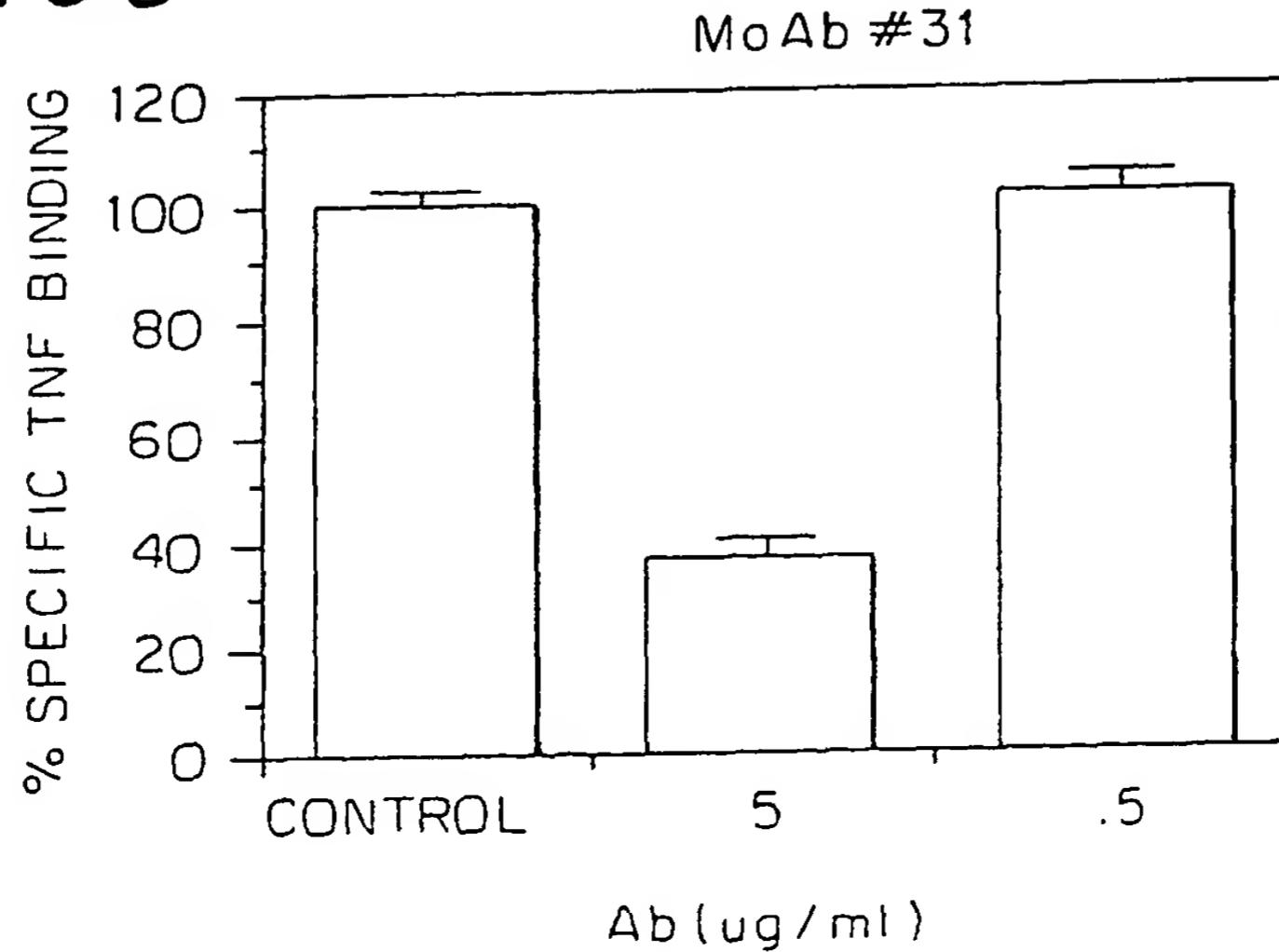


FIG. 9D

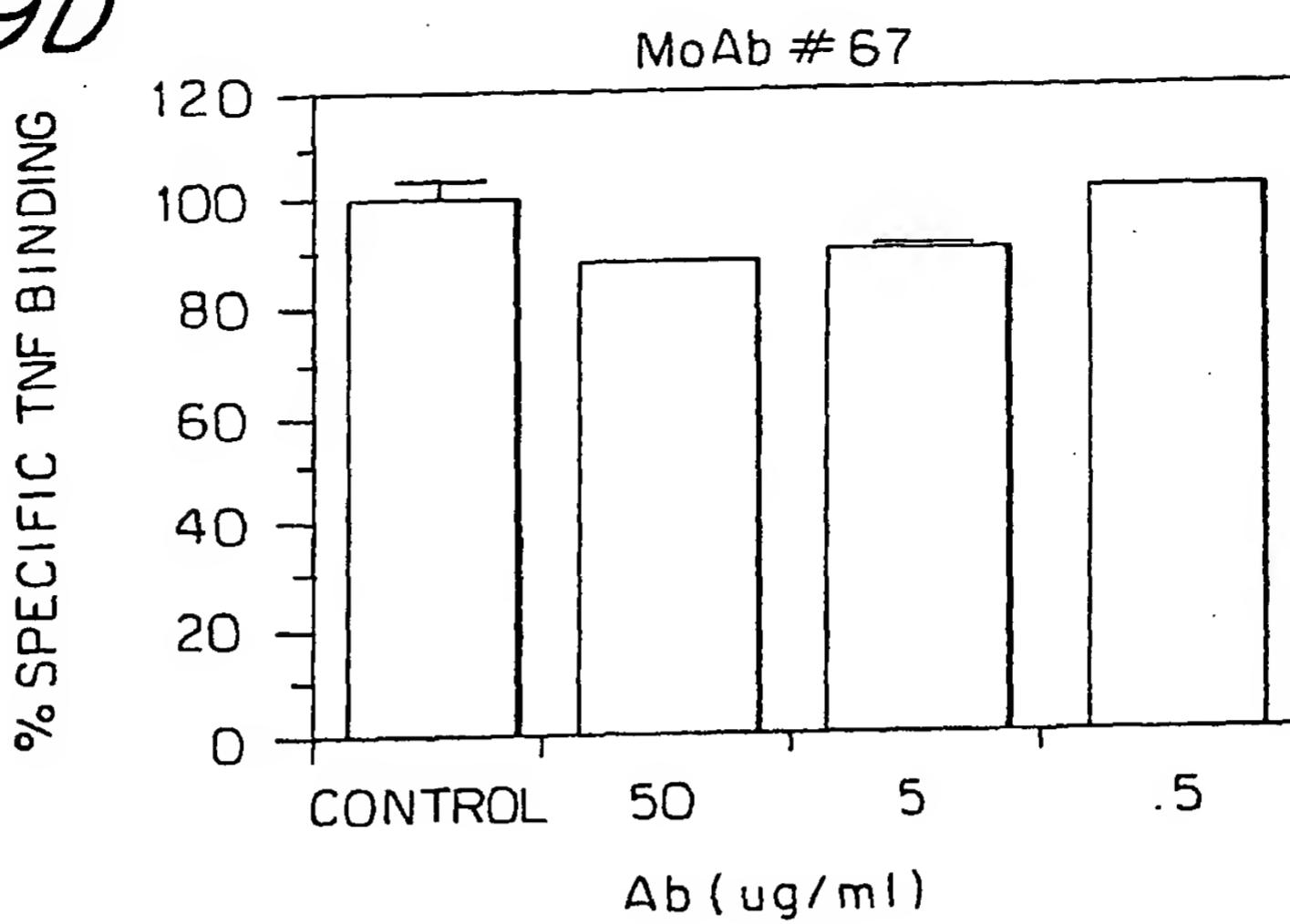


FIG. 9E

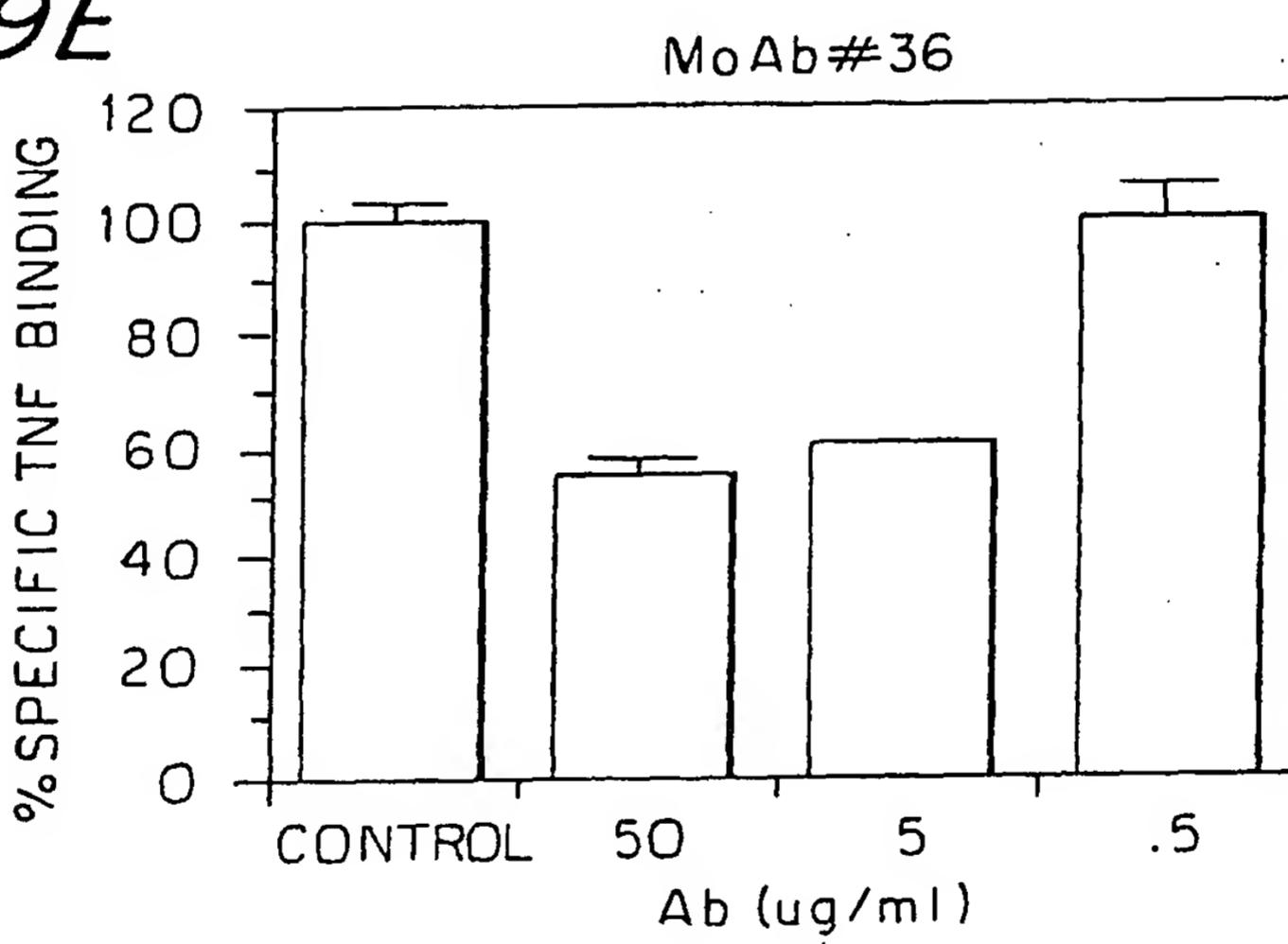


FIG. 9F

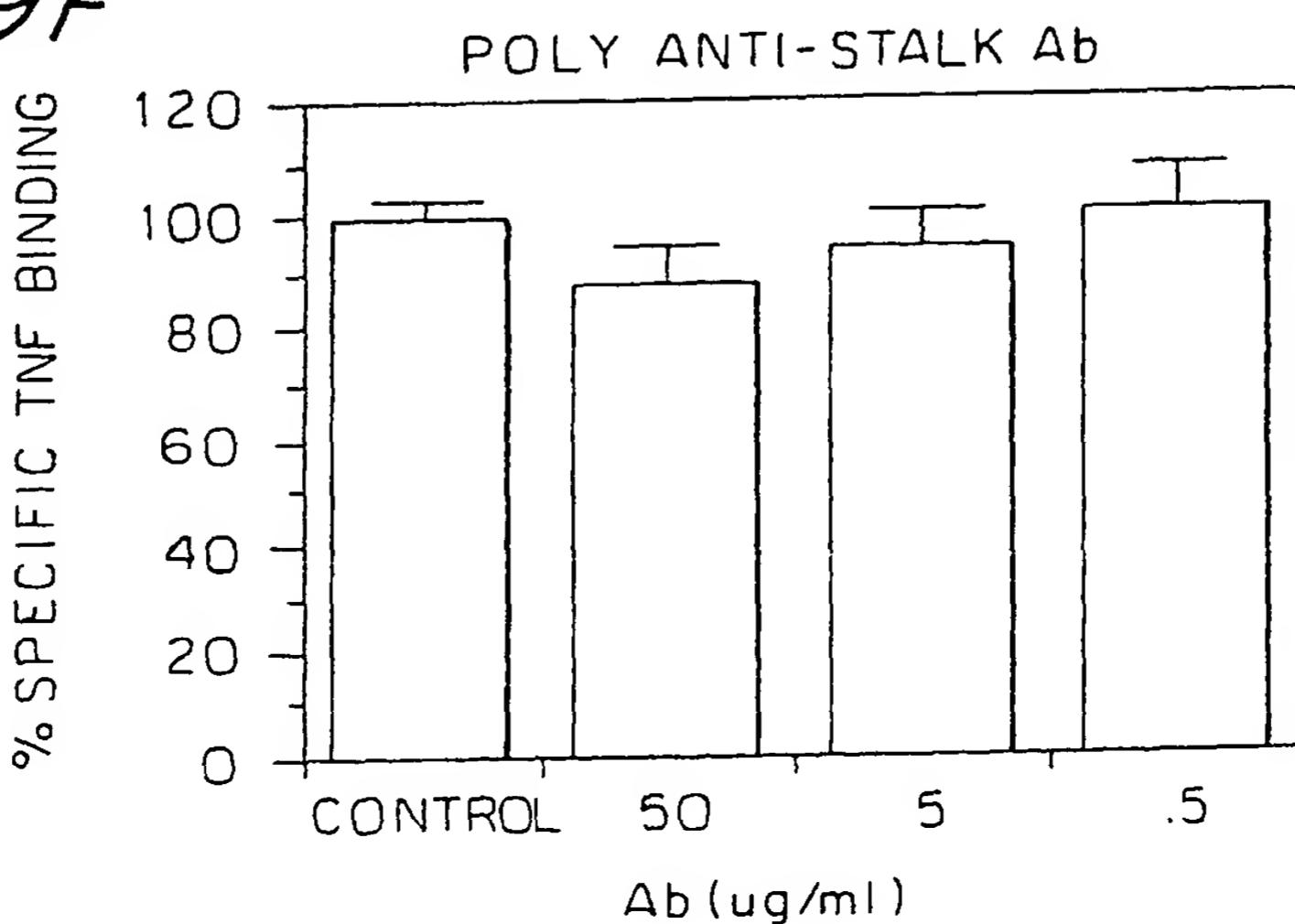


FIG. 10

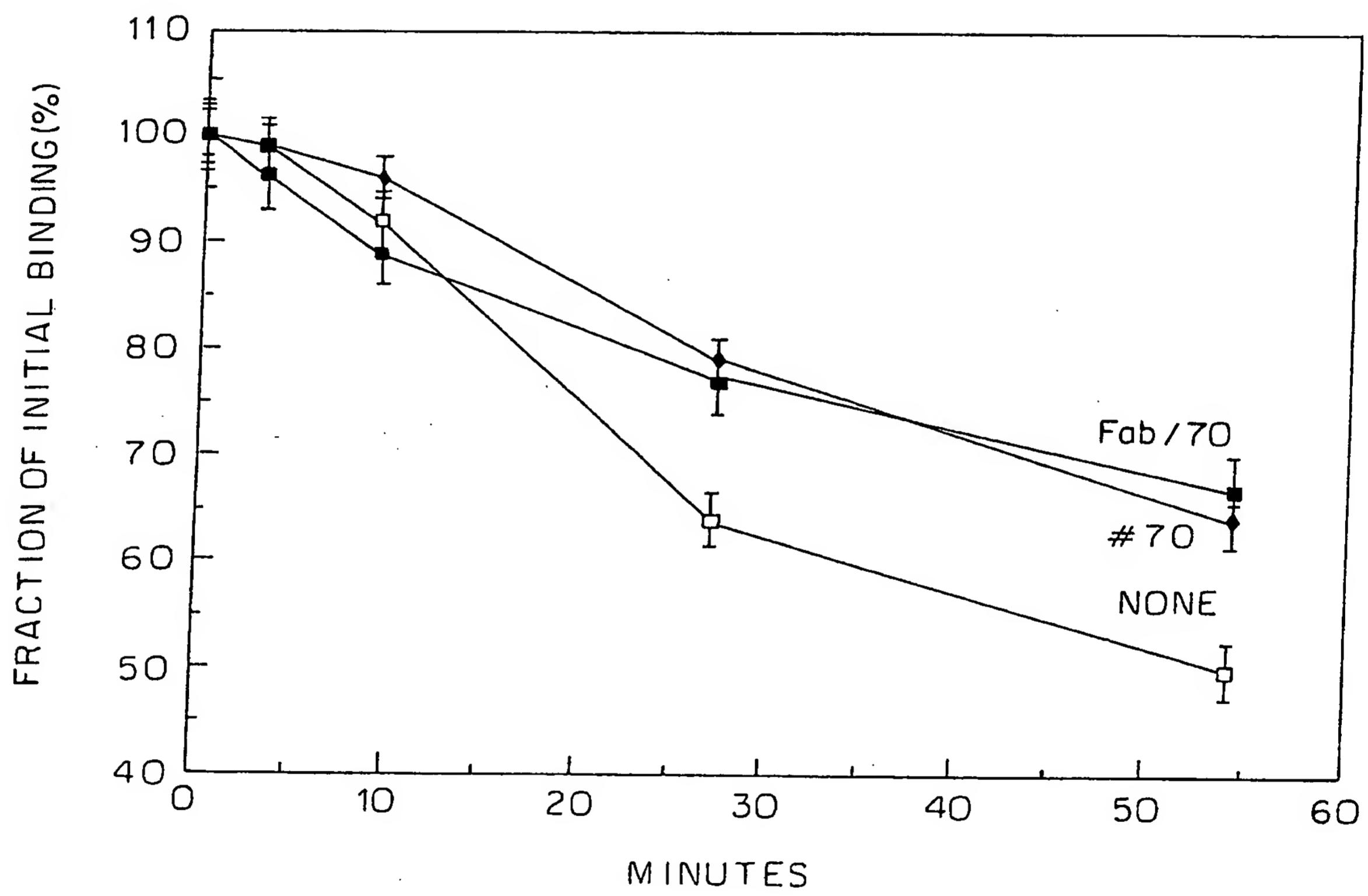


FIG. 11A

#70	1/1	GTC AAA CTG CAG GAG TCT GGA CCT GAG CTG GTG AAG CCT GGG GCC TCA GTG AAG ATT TCC	31/11
	V K L Q E S G P E L V K P G A S V K I S		
	1/1		31/11
#32		CCT GAG CTG GCT CCT GGG GCC TCA GTG AAG ATT TCC	
	P E L V A P G A S V K I S		
	1/1		31/11
#57	GTC TCC CTG CAG GAG TCT GGG GGA GGC TTA GTG CAG CCT GGA GGG TCC CGG AAA CTC TCC		
	V S L Q E S G G L V Q P G G S R K L S		
	61/21		91/31
#70	TGC AAA ACT TCT GGC TTC GCA TTC AGT CAT TCT TGG ATG AAC TGG GTG AGG CAG AGG CCT		
	C K T S G F A F S H S W M N		
	61/21		91/31
#32	TGC AAA GCT TCT GGC TAC GCA TTC AGT CAC TCT TGG ATG AAC TGG GTG AAG CAG AGG CCT		
	C K A S G Y A F S H S W M N		
	61/21		91/31
#57	TGT GCA GCT TCT GGA TTC ACT TTC AGC TTT GGA ATG CAC TGG GTT CGT CAG GCT CCA		
	C A A S G F T F S S F G M H W V R Q A P		
	121/41		151/51
#70	GGA CAG GGT CTT GAA TGG ATT GGA CGG ATT TAT CCT GGA GAT GGA AAT ACT GAT TAC CCT		
	G Q G L E W I G R I Y P G D G N T D Y N		
	121/41		151/51
#32	GGA AAC GGT CTT GAG TGG ATT GGA CGG ATT CAT CCT GGA GAT GGA GAC ACT GAC TAC AAT		
	G K G L E W I G R I H P G D G D T D Y N		
	121/41		151/51
#57	GAG AAC GGG CTG GAG TGG GTC GCA TAC ATT AGT AGT GCC AGT ACC CTC CAC TAT GCA		
	E K G L E W V A Y I S S G S T L H Y A		

F/G.11B

#70	181/61	GGG AAG TTC CAG GGC CAG GCC ACA CTG ACT GCA GAC AAA TCT TCC AGC ACA GCC TAC ATG G K F Q G Q A T L T A D K S S T A Y M	211/71	
#32	181/61	GGG AAC TTC AGG GGC AAG GCC ACA CTG ACT GCA GAC ACA TCC TCC AGC TCA GCC TAC ATG G N F R G K A T L T A D T S S S A Y M	211/71	
#57	181/61	GAC ACA GTG AAG GGC CGA TTC ACC ATC TCC AGA GAC AAT CCC AAG AAC ACG CTG RTC CTG D T V K G R F T I S R D N P K N T L F L	211/71	
#70	241/81	CAA CTC TTC AGT CTG ACC TCT GTG GAC TCT GTG GCG GTC TAT TTT TGT GCA CCC GGC CGT TGG Q L F S L T S V D S A V Y F C A P G R W	271/91	
#32	241/81	CAG CTC AGC AGC CTG ACC TCT GTG GAT TCT GCG GTC TAC TTC TGT GCA CCC GGC CGT TGG Q L S S L T S V D S A V Y F C A P G R W	271/91	
#57	241/81	CAA ATG AAA CTA CCC TCA CTA TGC TAT GGA CTA CTG GGG CCA AGG GAC CAC GGT CAC CGT Q M K L P S L C Y G L L G P R D H G H R	271/91	
#70	301/101	TAC CTC GAA GTC TGG GGC CAA GGG ACC ACG GTC ACC GTC TCC TCA Y L E V W G Q G T T V S S	331/111	
#32	301/101	TAC CTC GAG GTC TGG GGC CAA GGG ACC ACG GTC ACC GTC TCC TCA Y L E V W G Q G T T V S S	331/111	
#57	301/101	CTC CTC A L L	331/111	

FIG. 13

hu p55 TNF-R (3-42)	VCPQGKXYIIPQNN---SIC	CC-TKCCHKGTYLYND---CPGPQQDTDCR
hu p75 TNF-R (39-76)	T[CR]LREYYD-QTA---	CC-SKCSPGQHAKVF---CTKTS-DTIVCD
hu FAS (31-67)	QNLLEG[H]-EDGQF---	CH-KPCPFGERKARD---CTIVNGDEPDCV
hu NGF-R (3-37)	ACPTGLYTHSGE---	CC-KACNLGEVAQP---CGA---NQTVCE
hu CDw40 (25-60)	ACREKQXYLINSQ---	CC-SLCQFP[GQKLVSD]---CTEF-TETECL
rat OX40 (25-60)	NCVKDTYPSGHK---	CC-RECQEP[GHGMVSR---CDHT-RDTIVCH
hu p55 TNF-R (4,3-86)	ECESGSIFTASEHHL-RHCLSC-	SKCRKEN[GQVEISSCTVD-RDTIVCG
hu p75 TNF-R (77-119)	SCE[DSTY]TQLWNWV-P[ECIL]	CSDD---QVETQ[A]CTRE-QNRICK
hu FAS (68-112)	PCQEGKEYTDKAHFSSKRRC-	RLCDEGH[GL]VEINACTRT-QNTKCR
hu NGF-R (38-80)	PCLDSVTSSDVVSATEPCKPC-	TECVGLQSHSAP---CVEA-DDAVCR
hu CDw40 (61-104)	PGESSEFLDTW[H]RETN-[CHQH-KYCDPNLGLRVQ	[QKG]TSE-TDTICT
rat OX40 (61-104)	PC-EPEGFYNEAVNY-DTCKQC-TQCNHRSG[SELKQ	NCTPPT-EDTIVCQ
hu p55 TNF-R (87-126)	-CRKNOQRHYWSENLEQFCNC-	-SLCLHG[T]-VHLSCQE[K-QNITVC-
hu p75 TNF-R (120-162)	-CRPGWYCA--LSKQEGCRLCAPL[R]KCRPGF	GVARPG[T]ET-SDVVCK
hu FAS (113-149)	-CKBNEFCN--STVCEHC[DPC]	-TKCEHGI-IKE-CTLT-SNTKC-
hu NGF-R (81-119)	-CAYGYQD---ETTGCEAC--	-RVCCEAGSGLVES[Q]DK-QNTVCE
hu CDw40 (105-144)	-CEE[GW]H[C]---TSEACESCVLHRSC	SPGEGVKQIA[T]GV-SDTICE
rat OX40 (105-123)	-CRPGTQP---RQDS---	-SHKL[GVD]---CV
hu p55 TNF-R (127-155)	TCHAGEFLR---ENE---	CVS[Q]-SNCKKSL---ECTK---LC-
hu p75 TNF-R (163-201)	PCAPGTFSNTTSST-DICRPH-QICN---	VVA---IPGNASMDA[VCT
hu NGF-R (120-161)	EC[PDGTY]SDEAHHV-DPCLP[C]	-TVCEDTERQLR---ECTRW-ADAEC
hu CDw40 (145-186)	FC[PVGFFESNVSSAF-EKCHP--	TS CETKDLVVQ---QAGTNKTIDVVCG
rat OX40 (124-164)	PCPPGHESPGSHQ---ACKPW-TNC	TISGKQIR---HPASNLSLDIVCE